KOROVSKIY. Sh. Ya.

USSR/Chemistry - Chemical technology

1 Pub. 22 - 31/48

Authors

: Korovskiy, Sh. Ya.

Title

Acceleration of the sintering of powders under the effect of the surrounding medium

Periodical

: Dok. AN SSSR 97/5, 875-877, August 11, 1954

Abstract

The law governing the rate of powder sintering processes, which are connected with the displacement of particles through potential barriers, is discussed. Rational selection of the surrounding medium, particularly special additions to the batch for the purpose of producing the desired migration atmosphere, is considered one of the most effective methods of accelerating the rate of powder sintering. Rationally selected gaseous or liquid media provide new migration routes and socalled transportation means for the particles to migrate through the potential barriers. Six USSR references (1948-1952). Illustrations.

Institution :

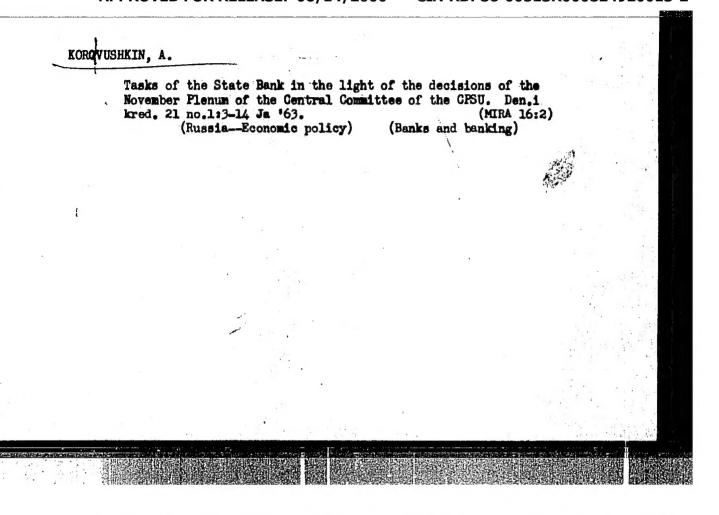
Presented by : Academician P. A. Rebinder, April 10, 1954

MIKOYAN, A.; IGNATOV, N.; KOROVUSHKIN, A.; GARBUZOV, V.; KABKOV, Ya.;
KUDRYAVTSEV, A.; BORTCHEV, I; VOROB'IEV, V.; SVESHNIKOV, M.;
USHAKOV, V.; MIROSHNICHENKO, B.; ZENCHENKO, N.; BABUSHKIN, V.;
NIKITKIN, N.; PODSHIVALENKO, P.; ZOTOV, M.; VOSKRESENSKIY, A.;
KAZANTSEV, A.; KORDIUKOV, A.; NOSKO, P.; PLESHAKOV, S.; VERSOV, A.;
ROMASHOV, A.

I.N. Kazakov; obituray. Den. i kred. 19 no.3:95 Mr '61.

(MIRA 14:3)

(Kazakov, Ivan Nikolaevich, 1907-1961)



Capital construction in the sixth five-year plan and tasks of long-term investment banks. Fin. 3882 17 no.5:3-18 My '56. 1. Zamestitel' ministra finance SSSS. (Construction Entherry-Finance) (Banks and banking) (Capital)

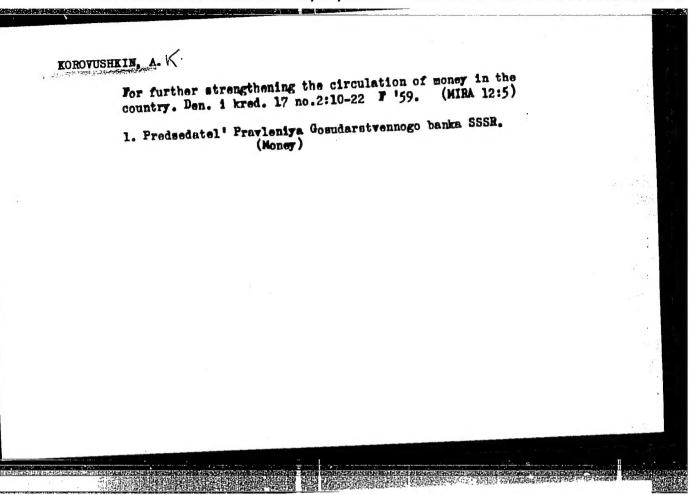
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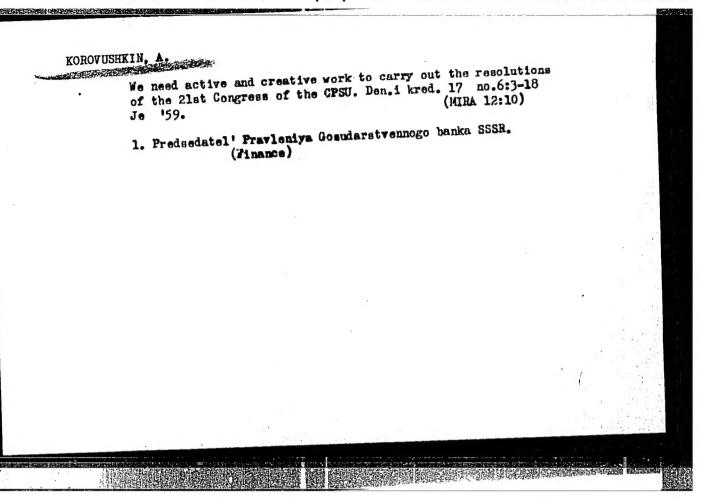
ZVEREV, A.G.; POPOV, V.F.; FADEYEV, I.I.; BABUSHKIN, V.I.; BERLOVICH, I.L.;
BOCHKO, A.M.; BURLACHENKO, S.Ye.; GARBUZOV, V.F.; DMITRICHEV, P.Ya.;
DUNDUKOV, G.F.; ZLOBIN, I.D.; KOROVUSHKIN, A.K.; KORSHUNOV, A.I.;
KUZIN, M.G.; KUTUZOV, G.A.; LYSKOVICH, A.A.; MASHTAKOV, A.M.;
MIKHEYEV, V.Ye.; NIKEL'HERG, P.M.; POSKONOV, A.A.; ROMANOV, G.V.;
SOSIN, I.F.; SOSNOVSKIY, V.V.; POVOLOTSKIY, M.M.; URYUPIN, F.A.;
KHARIONOVSKIY, A.I.; CHULKOV, N.S.; SHESHERO, N.A.; SHITOV, A.P.;
SHUVALOV, A.M.; YANBUKHTIN, K.Kh.

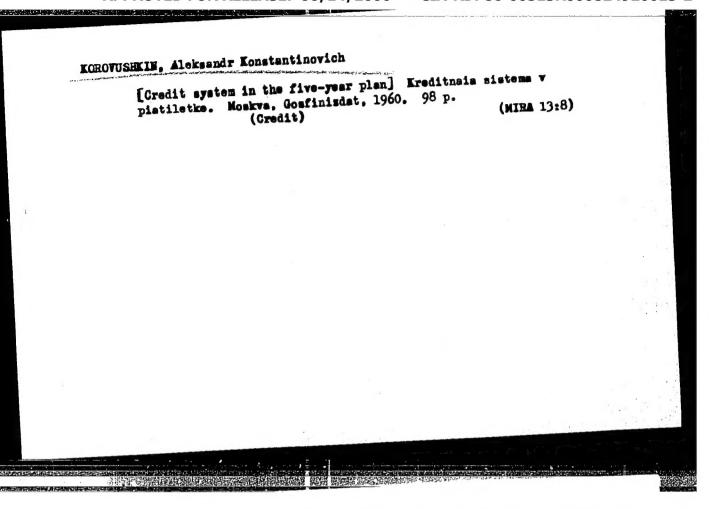
Arsenii Mikhailovich Safronov; obituary. Fin.SSSR 18 no.11:95
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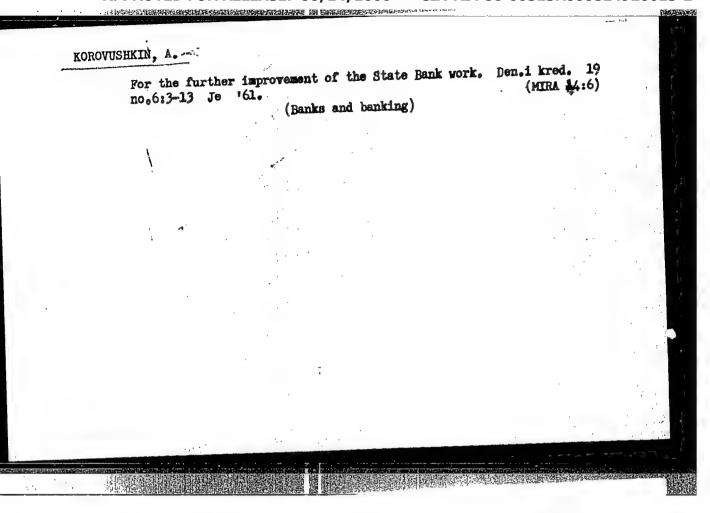
KOROVUSHKIN, Aleksendr Konstentinovich; PILIPPOVA, E., red.; LEHEDEV, A., tekhn.red.

[Credit system in the seven-year plan] Kreditneis sistems v gemileths. Moskva, Qoafinizdat, 1960. 98 p. (MIRA 13:10) (Credit)

ROROVUSHKIN, A. ...

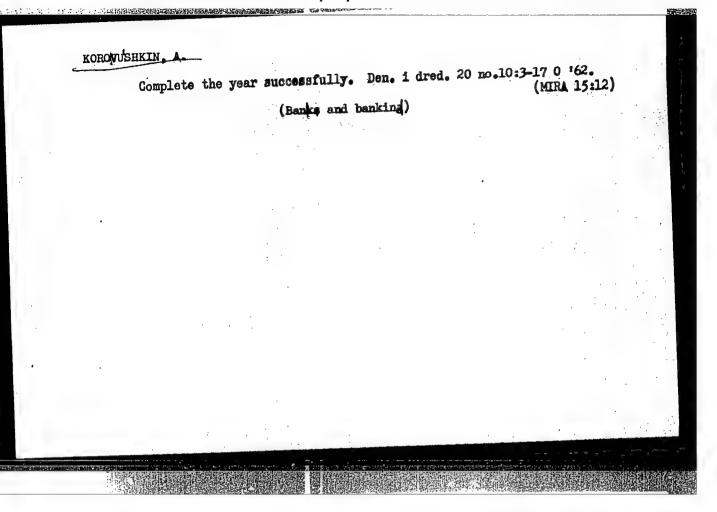
Prepare for thoroughly and conduct the exchange of money in an organized manner. Den.i kred. 18 no.7:5-15 J1 *60. (MIRA 13:7)

(Money) (Banks and banking)



	Main tasks of the State Bank in the light of the decisions of the 22d Congress of the CPSU. Den. i kred. 20 no.2:3-14 F 162. (MIRA 15:2)	\$
	(Banks and banking)	e**
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KOROWUSHKIN, A. For the further improvement of the work of the State Bank branches. Den. 1 kred. 20 no.3:3-16 Mr '62. (MIRA 15:3) (Banks and banking)



Military road builders. Tyl. i snab. Sov. Voor. Sil 21 no.6:42-45
Je 'fi.

(World War, 1939-1945-Engineering and construction)

SUN' SU-FO [Sun Su-fo]; KOROVYAKOV, D.B., inzh. [translator]; ZAKS, L.M., kand.tekhn.nauk, fed.; AMTIK, I.V., red.; MEDVEDEV, L.Ya., tekhn.red.

[Measuring power in multiphase circuits with transistorized instruments (based on the Hall effect)] Ismerenie moshchnosti v mnogovasnykh tsepiekh posredstvom poluprovednikovykh priborov (osnovannykh na effekte Kholla). Moskva, Gos.energ.izd-vo, 1958. 79 p.

(MIRA 13:1)

(Electronic measurements)

MARKUS, John; ALTAYEV, V.Ya., inzh.[translator]; BAYKOVSKIY, V.Ya., inzh.

[translator]; ZAYMOVSKIY, Ya.A., inzh.[translator]; KOROWYAKOV.

D.B., inzh.[translator]; MOKEYEV, O.K., inzh.[translator];

YAROSHEVSKIY, Yu.A., inzh.[translator]; IVANOV, V.A., kand. tekhm.

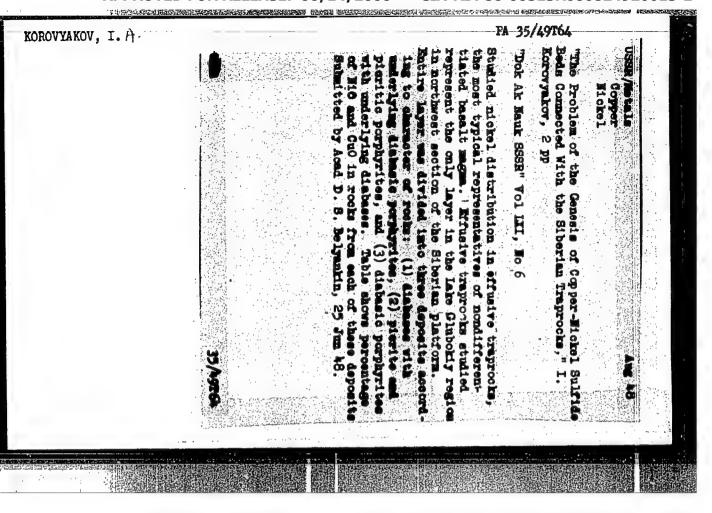
nauk, red.; SOKOLOV, A.A., kand. tekhm. nauk, red.; BASKAKOVA, L.B.,

red.; DZHATIYEVA, F.Kh., tekhm. red.

[Handbook of electronic control circuits]Skhemy elektronnoi avtomatiki. Pod red. i s predisl. V.A.Ivanova i A.A.Sokolova. Moskva, Izd-vo inostr. lit-ry, 1962. 342 p. Translated from the English.

(Electronic control)

(Automatic control)



WOROVYAKOV, I. A.

DEST Minerals
Petrology
Picrite

"Effusive Picrite Traps in the Northwestern Part
of the Siberian Platform," I. A. Korovyakov, 3 pp

"Dok Ak Nauk SSER" Vol LXII, No 1

Gives characteristics and chemical analysis of
widely extended effusive picrite diabases found by
author in extreme northwest corner of Siberian
platform near Glubokiy and Ytkil' (Sobach'yy)
lakes. Submitted by Acad D. S. Belyankin,
25 Jun 48.

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KOROWYAKOV, I.A.; YAKOVIEVA, M.Ye.

Differential intrusion in the Fanskiye heights of the central part of the Kola Feninsula. Min.syr's no.4:75-99 '62.

(Kola Peninsula Accks, Igneous)

(Kola Peninsula Accks, Igneous)

AL'TGAUZEN, M.N.; GINZBURG, I.I.; DUBOVSKAYA, M.V.; YERSHOV, A.D.;

MELKOY, V.G.; OS'KIN, N.I.; ROZHKOVA, Ye.V.; STRAKHOV, N.M.;

KHRUSHCHOV, N.A.; SHMANECHKOV, I.V.; SHCHERBAKOV, D.I.;

YANSHIN, A.L.; AMIRASIANOV, A.A.; GOTMAN, Ye.D.; ZURREV, I.N.;

KOROWYAKOV, I.A.; ORLOVA, P.V.; PASOVA, F.G.; SAAKYAN, P.S.;

TERENT'YEVA, K.F.; SHANOBSKIY, L.M.; CHERNOSVITOV, Yu.L.;

SHCHERBINA, V.V.

IUrii Konstantinovich Goretskii; obituary. Sov.geol. 4 no.12:

(MIRA 15:2)

153-155 D '61.

(Goretskii, Iurii Konstantinovich, 1912-1961)

KOROVYAKOV, I.A.; NELYUBIN, A.Ye.; RAYKOVA, Z.A.; KHORTOVA, L.K.; GON'SHAKO-VA, V.I., nauchnyy red.; POSPELOVA, A.M., red.izd-va; IYERUSALIMS-KAYA, Ye., tekhn.red.

[Origin of Noril'sk trap intrusions bearing sufide copper-nickel ores.] Proiskhozhdenie noril'skikh trappovykh intruzii, nesushchikh sul'fidnye medno-nikelevye rudy. Moskva, Gosgeoltekhizdat, 1963. 100 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'-nogo syr'ia. Trudy, no.9). (MIRA 17:2)

l. Vsesoyuznyy nauchno-issledovatel skiy institut mineral nogo syri-ya (for Korovyakov, Nelyubin, Raykova, Khortova).

KOROVYAKOVA, I.D., starshiy nauchnyy sotrudnik

Use of the universal decimal classification for the systematization and search of scientific and technical literature. Tekst. prom. 25 no.4:94 Ap '65. (MIRA 18:5)

1. TSentral'nyy institut nauchno-tekhnicheskoy informatsii legkoy promyshlennosti, Moskva.

KOROVYAKOVSKIY Dmitrly Zakharovich; PANIN, N.S., red.; PONOMAREVA, AA., tekhn. red.

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[Improving the system of the state deliveries of agricultural products in the U.S.S.R.] Sovershenstvpvanie sistemy gosudarstvennykh sagotovok sel'skokhoziaistvennykh produktov v SSSR. Moskva, Ekonomizdat, 1963. 156 p. (MIRA 16:8) (Produce trade)

THE SELECTION OF THE SE

AUTHOR:

Korovyakovskiy, I.G., Engineer

SOV-91-58-10-27/35

TITLE:

The Increase of the Disconnecting Power of Type MKP-35 011 Switches (Uvelicheniye otklyuchayushchey sposobnosti maslya-

nykh vyklyuchateley tipa MKP-35)

PERIODICAL: Energetik, 1958, Nr 10, pp 28 - 30 (USSR)

ABSTRACT:

Due to the rapid growth of the output of power systems in the Soviet Union over the last few years, there is a need for 35 kv switches with a far greater disconnecting power than those now being produced by Soviet industry. For several years the "Uralelektroapparat" works have been engaged in the development of new designs of high-speed 35 kv switches capable of working in an automatic reclosing (APV) cycle, but without the dimensions of the switches themselves being increased. The latest design of switch, type MKP-35-1500, has a disconnecting power of 1500 mva. The basic technical data and the mechanical characteristics of this switch and its magnetic drive type ShPE-31 are given in a table. In developing this switch, essential alterations had to be made to the arc-extinguishing chamber and the tanks; the former was made out of fibrous plates, which do not become carbonized from the effect of the arc. The chamber also had to contain more oil, so that it had to be lengthened, and spe-

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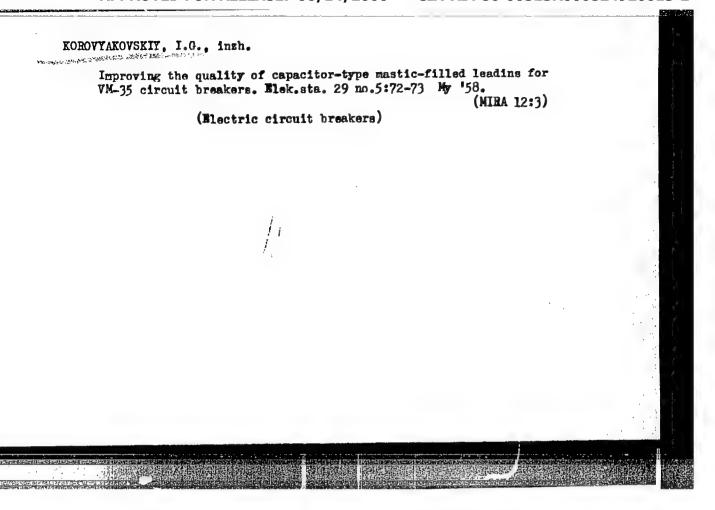
SOV-91-58-10-27/35

The Increase of the Disconnecting Power of Type MKP-35 Oil Switches

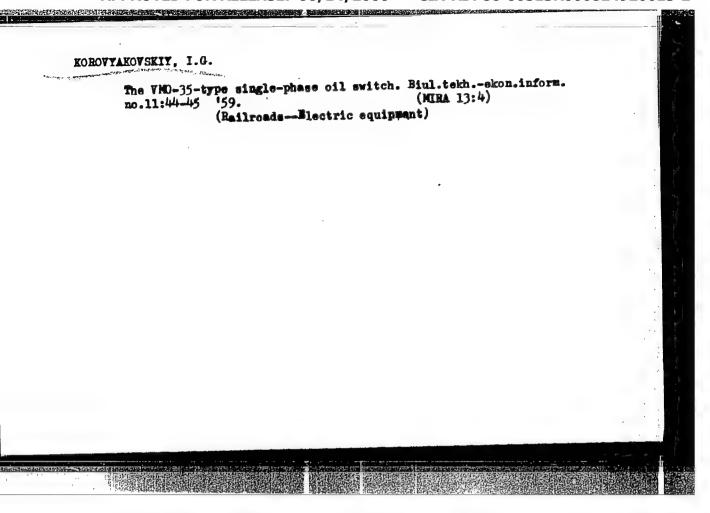
cial grooves made in the plates. In order to prevent the pulverization of the contacts during the burning of the arc, it was necessary to solder special metalloceramic plates made out of tungsten-silver to the lower portion of the face contacts in the chamber, and to the upper part of the movable contacts. Tests in the Leningrad branch of the Lenin-All-Union Electro-technical Institute (VEI), showed that the chambers work reliably and can switch off currents as small as 0.03 ks, and short-circuit current of up to 24.7 ks. The author concludes by stating that the tanks for the new version of the switch had to be strengthened. There are 2 graphs, 1 diagram and 1 table.

1. Disconnect fittings--Design

Card 2/2



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KOROVYAKOVSKIY, Il'ya Grigor'yevich; KHROMCHENKO, G.Ye., red.; SHIROKOVA, M.M., tekhn. red.

[High-voltage switch drives] Privody k vykliuchateliam vysokogo napriazheniia. Moskva, Gosenergoizdat, 1962. 222 p.
(MIRA 15:7)

(Electric switchgear) (Electric cutouts)

KOROVYAKOVSKIY, Il'ya Grigor'yevich, dots.; KAPUSTIN, Viktor
Aleksandrovich; ROSHKOVSKAYA, Nona Petrovna; SHITIKOV,
Mikhail Gavrilovich; PEREL'MUTER, N.M., red.; PLESKO,
Ye.P., red.izd-va; VDOVINA, V.M., tekhn. red.

[Electric power supply of lumbering enterprises] Elektrosnabshenie lesozagotovitel nykh predpriiatii. Pod obshchei red. I.G.Koroviakovskogo. Moskva, Goslesbumizdat, 1962. 171 p. (MIRA 16:4)

(Electricity in lumbering)

KOROVYAKOVSKIY, Il'ya Crigor'yevich: PENOVICH, Ye.I., red.;

BORUNOV, N.I., teknn. red.

[Electric insulating materials in the construction of high-voltage switches and current transformers] Elektro-izoliatsionnye materialy v konstruktsiiakh vykliüchatelei i transformatorov toka vysokogo napriazheniia. Moskva, Gosenergoizdat, 1963. 87 p. (MIRA 16:10) (Electric switchgear) (Electric transformers) (Electric insulators and insulation)

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BOOK EXPLOITATION

Korovyakovskiy, Il'ya Grigor'yavich

Electric insulating materials in designs of switches and transformers of high voltage current (Elektroizolyatsionny materialy v konstruktsiyakh vywklyuchateley i transformatorov toka vywsokogo napryazheniya) Moscow, Gosenergoizdat, 63.0087 p. illus., biblio. Errata printed inside of back cover. 5,600 copies printed.

TOPIC TAGS: high voltage equipment, electric insulation, high voltage circuit breakers, insulating material, arc suppression, arc ignition, current transformer, current transformer insulation, current transformer potting

PURPOSE AND COVERAGE: This book deals with the mechanical and electrical characteristics of insulating materials used in high-voltage equipment, the conditions for the ignition and extinction of arcs, modern insulating materials used for arcquenching, and the insulation of current transformers and their potting with epoxy resin. The book is intended for engineering-technical personnel engaged in operation of electric equipment in power systems, and can also be used as an aid to designers of high-voltage apparatus and as a textbook for students specializing in high-voltage apparatus design.

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 C1A-RDP86-00513R000824920013

KOROVYAKOVSKIY, I.G., inzh.; SIRENKO, N.I., inzh.; NAUMENKO, Yu.N., inzh.

A hammer in the capacity of a transducer. Prom. energ. 19 no.8:
(MIRA 17:11)
20-22 Ag '64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2"

KOROVYAKOVSKIY, I.G., inzh.; CHERNUSSKIY, A.I., inzh.; BARTALOG, A.F., inzh.; SHCHAVLINSKIY, V.A., inzh.; RYZHIK, V.M., inzh.

RIND-150 type separators with two reversible columns. Energ. i elektrotekh. prom. no.3:21-23 J1-3 '64. (MIRA 17:11)

KOROVYAKOVSKIY, I.G., dotsent

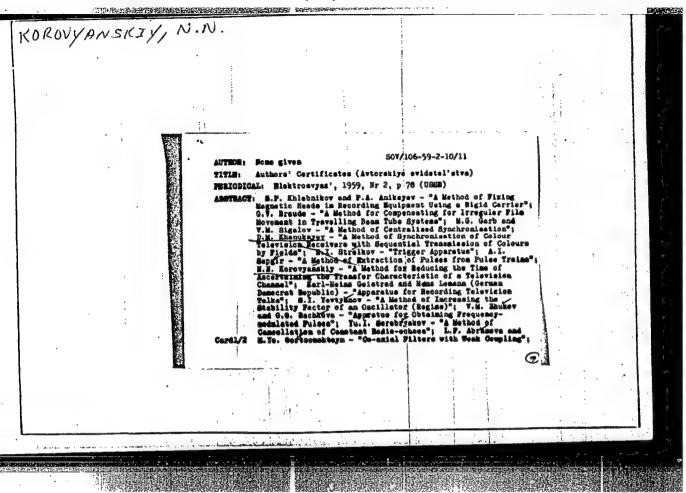
Elements of gas dynamics in a pneumatic drive after the activation of high-voltage switches. Izv. vys. ucheb. activation of high-voltage switches. Izv. vys. ucheb. activation of high-voltage switches. Izv. vys. ucheb. (MIRA 18:11) sav.; energ. 8 no.11:59-63 N *65.

1. Zaporozhskiy mashinostroitel'nyy institut imeni V.Ya. Chubarya.

GOL'DENBERG, S.A. (Moskva); SOLOV'YEVA, L.S. (Moskva); Prinimali uchastiye: KOROVYANSKIY, N.G.; KHOLODTSOVA, L.N.

Study of the characteristics of the ignition of a stream of combustible gases by opposing jets. Izv. AN SSSR. Energ. i transp. no.1:116-122 Ja-F '64. (MIRA 17:4)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2



KOROVYANSKIY, N.N., inzh.

A television system with barely visible oscillations in the transient response. Izv. LETI 57 no.39:38-55 \$59. (MIRA 15:10) (Television)

CHAPTER SERVICE CONTRACTOR OF THE PROPERTY OF

KHRISTIANOV, A.S.: KOROVYATNIKOV, G.F.

Apparatus for the simultaneous fixing of differential-thermal and thermogravimetric measurements. Zav.lab. 30 no.4:495-496 '64. (MIRA 17:4)

1. Institut obshchey i neorganicheskoy khimii AN SSSR imeni N.S.Kurnakova.

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AUTHOR: Korowajc TITLE: New contr SOURCE: Wojskowy	cuk, J. (Lt Col., Maste ol-metering devices for przeglad lotnicsy, no.	cheking airpla 8, 1963, 43-58	ne accessories	
TOPIC TAGS: cont USE-1, EMS-2, ele variometer checki ABSTRACT: The au checking airpland the <u>Technical Ins</u> ITWL). These are tom planes. The pliances with men universal electr tric metering ci	ctromechanical second many, relay PT-150-E, man athor discusses a number of accessories. Most of attitute of the Air Force of 1) control-metering air purpose is to check abranes located either ical stand USE-1. The recuit to check carbon v	s-1, IS-3, universeter, SAR-2, aumometer check to refer these appliance (Instytut Teck devices IS-1 for the functioning outside an aircontend in a course	arsal electrical saturdantic starter, ester-generator G9 tering Dappliances ces were designed anicyny Wojsk Lottor jets and XS-3 ig and accuracy of raft or on it. 2 to pling of a number	for at nicsych, for pis-sp-
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differential relays DMR, any relays and contacts found on aircraft, automatic fuses and deck ammeters and voltmeters for direct current. Their feed voltage is 24-28 V d.-c., continuous current regulation 0 to 105 A, continuous operation, and weight about 35 kg. The stand is located in two portable suitcases 600x330x180 mm each. It has 6 variable loading resistors, and its parts are easily replaceable. 3) An electromechanical seconds meter EMS-2. It serves to connect automatically the time meter in circuits of airplane relay automation. The device also operates jointly with the SAR-2, for checking automatic starters. Its working voltage is 16 v d.c., it measures time between 0 and 2 hrs, its accuracy is 0.1 sec., dimensions when boxed -- IhOx 1hOx 260 mm, weight 2.7 kg. 4) Device SAR-2 for checking automatic starters. It serves checking operating parameters of these starters having up to 4 microswitches. It has 4 signal lamps and four output plugs for impulses driving the seconds meter EMS-2. Its operating voltage is 16 v d.-c., dimensions when packed 140x200x280 mm, total weight 3 kg. 5) Appliance MRW-1 for variometer checking. Figure 11 of Enclosure 1 shows how this is being accomplished. The mere cury column closes the circuit of the seconds meter EMS-2. As the pressure changes the mercury rises. When the first electrode is reached the electric

Card 2/7

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ACCESSION NR: AP3005964

circuit becomes connected and the seconds meter begins to act. When mercury touches the second electrode the second circuit of the seconds meter becomes connected and the meter stops. The time read on the meter shows the time necessary for the change of the predetermined height. From these data the velocity of mercury column rising may be calculated and the error of variometer determined. The operating voltage is 24 v. d.c., dimensions 470x160x200 mm when packed, weight-8 kg. The device serves for checking all types of variometers with dropping and rising velocities up to 75 m/sec. 6) Relay PT-150-E serves to check oxygen manometers, hydraulic and air manometers. Its working diagram is given on Figure 14 of Enclosure 2. Its operating principle is based on changing the working fluid in manometer from oil to alcohol. Its max. operaing pressure is 175 kg/cm2, outside dimensions when packed 265x255x110 mm, and weight 4.5 kg. 7) Tester-generator 6940. It serves to rapidly check the the deck receiver of coded signals MRP. Its principle of action is the activation of sound or light signal of MRP, as a result of the signal produced by the generator-tester located outside the airplane. The operating frequency is 75 Mc + 100 Kc, it has amplitude modulation of a frequency of 3000 cps + 100 cps, it can operate continuously for at least 8 hrs, is activated by a

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KOROY, T. P. --

"Data on the Pathogenesis of Changes in the Pulmonary Artery Due to Rheuratic Heart Defects." Cand Med Sci, Second Moscow State Medical Inst, Moscow, 1953. (RChBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USAR Higher Educational Institutions (10)

SO: Sue. No. 481, 5 May 55

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ACC NR: AT5018233

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AUTHOR: Coroi-Nedelcu, M. (Koroy-Wedelku, M.)

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ORG: none

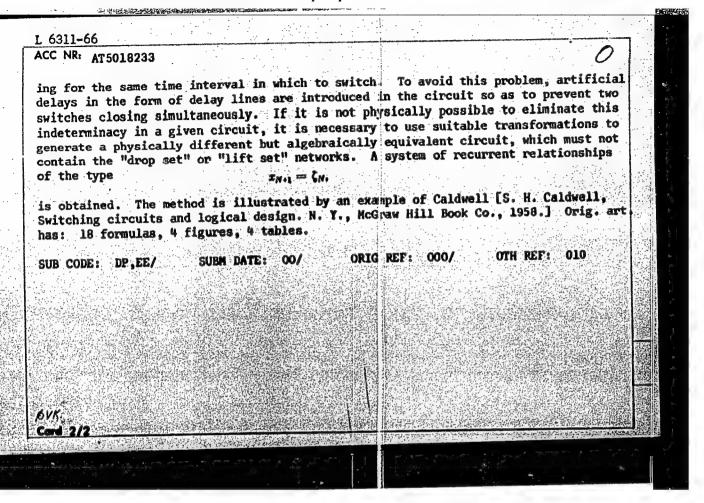
TITLE: Analysis and synthesis of contactless and tiple-state switching circults

SOURCE: International symposium on the theory of relay systems and finite automata. Moscow, 1962. Teoriya konechnykh i veroyatnostnyk avtomatov (Theory of finite and probability type automata); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 199-210

TOPIC TAGS: logic circuit, switching circuit, algebraic logic

ABSTRACT: An algebraic method for the solution of problems of contactless switching circuits is given. The same problem was solved [Gr. C. Moisil. Teoria algebrica a mecanismelor automate. Bucuresti, Editura Tecnica, 1959] for the case of relay-contact switching circuits, by the use of trinary logic. In the problem of indeterminate switching states, due to the small but noticeable effect of time lags in contactless switching (e.g. solid state devices), the exact sequence of switch closures cannot be precisely predetermined, leading to an indeterminate condition known as "competition". This condition arises when, in going from state i to state j, two or more variables may be required to change simultaneously, and since the final state is a function of the order in which the switching took place, one may have two or more elements compet

Card 1/2



KCROYANU, V., Card Med Sci -- (diss) "Fravimetric Blood Indices in Surgical Operations, Shock, and Loss of Blood". Mos, 1958, 13 pp. (2nd Moscow State Med Inst imeni N. I. Pirogov), 200 copies. (KL 34-58, 101)

31

KORCYEV, A. I.

35550. Sluchay Nevrofibromatoza Organa Zreniya S Defektami Kostey Cherepa.
Trudy Sev.-Oset. Gos. Med. In-ta, Vyp. 4, 1949, c. 202-04.
Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

Surgical treatment of paralytic strabismus. Vest. oft., Moskva 32 no.4; 41-43 July-Aug 1953. (GIML 25:1)

1. Of the Glinic for Bye Diseases (Head -- Docent M. H. Bugulov), North Ossetian Medical Institute.

KOROYEV, A.I.

Filaria under the skin of the eyelids. Vest.oft. 33 no.1:43 Ja-F 154. (NIRA 7:1)

1. Is glasnoy kliniki (direktor - dotsent M.N.Bugulov) Severo-Osetinskogo meditsinskogo instituta. (Eyelida) (Filaria and filariasia)

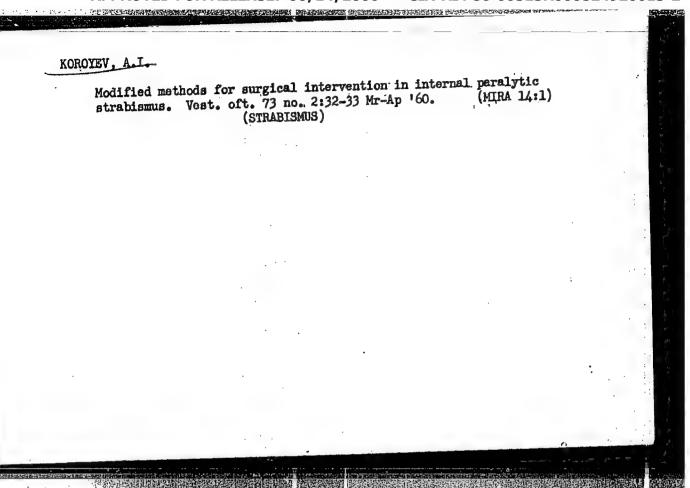
"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2

KORCYEV, A. I.

KOROYEV, A. I.: "The surgical treatment of internal paralytic strabismus." nostov State Medical Inst. Ordzhonikidze, 1955.

(Dissertion For the Degree of Candidate in Medical Sciences.)

Knizhnaya letopis', No. 39, 1956. Moscow.



REUTOVA, V.A.; KOROYEV, A.I.

Hereditary anomaly of the oculomotor apparatus. Zhur. nevr. i psikh. 62 no.5:275-679 '62. (MIRA 15:6)

1. Kafedra nervnykh bolezney (zav. - prof. S.A. Rossin) i kafedra glaznykh bolezney (zav. - prof. M.N. Bugulov) Severo-Osstinskogo meditsinskogo instituta, Ordzhonikidze. (EYE-MUSCIES-ANCMALIES)

BUGULOV, M.N., prof.; KOROYEV, A.I., dotsent; KUCHIYEVA, L.G.; KODZASOV,

Pathology of the fundus oculi in diseases of the cardiovascular system. Sbor. nauch. trud. SOGMI no.14:158-162 '63. (MIRA 18:9)

1. Kafedra glaznykh bolezney Severo-Osetinskogo meditsinskogo instituta i glaznoye otdeleniye Severo-Osetinskoy respublikanskoy klinicheskoy bol'nitsy.

DANILYUK, A.M., dotsent, kandidat tekhnicheskikh nauk; KOROTEV, Tu.I., arkh., redaktor; GORSHKOV, A.P., redakter; SMOL'YAKOVA, W.V., tekhnicheskiy redakter.

[Drawing in perspective directly from given dimensions] Pestreenie perspektiv mapoeredatvenme po zadannym rasmeram. Moskva, Gos. indvo lit-ry po stroitel'stvu i arkhitekture, 1954. 126 p.(NGRA 7:8)

(Ferspective) (Geometrical drawing)

KOROYEVA, Z.F.

Mental disorders in children with chorea. Zhur. nevr. i paikh. 63 no.7:1065-1067 '63. (MIRA 17:7)

1. Kafedra psikhlatrii (zav. - prof. B.D. Fridman) Severo-Osetinskogo meditsinskogo instituta, Ordzhoulkidza.

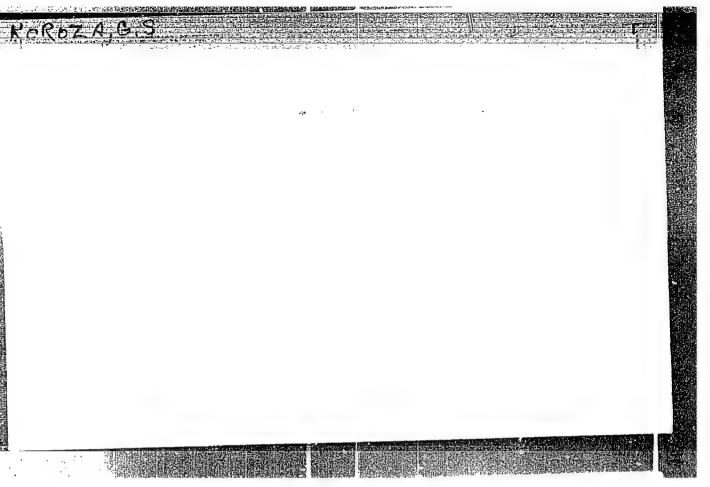
VYSOTSKAYA, H.B.,; GUSEVA, Ye.W.,; KOROZA, G.S.,; KUDRYAVINA, H.A.,;
RUHOVA, M.F.

Pharmacological characteristics of dimedrol. Farm. i toks. 19 no.1:
21-24 Ja-F '56.

1. Laboratoriya obshchey farmakologii (zav. daystvitel'nyy chlen
AME SSSR prof. V.I. Skvortsov) Instituta farmakologii, eksperimentalnoy khimioterapii i khimioprofilaktiki AME SSSR.

(DIPHEMPIRAMEE,
pharmacol. (Rus))

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2



USSR/Human and Animal Physiology (Normal and Pathological).

Effect of Physical Factors. Ionizing Radiation.

T-13

Abs Jour

Ref Zhur - Biol., No 16, 1958, 75281

Author

Koroza, G.S.

Inst Title Change of Sensitivity of the Heart to Cardial Glukosides

During Radiation Sickness.

Orig Pub

Med. radiologiya, 1957, 2, No 6, 41-44

Abstract

Standard preparations of strophanthus, digitalis, convalation and adonis were administered to 92 cats. Symptoms of radiation were caused by single roentgen exposure of 150, 300 and 600 r. Maximal increase of sensitivity of the heart (SH) to glucosides was observed 2 weeks after exposure to 300-600 r. The quantity of preparation, necessary for arresting the heart, decreased by 26-30%. This increase of SH can be connected with appearances of myocarditis

in the exposed animals, which was established by

Card 1/2

- 107 -

KOROZA, G.S.

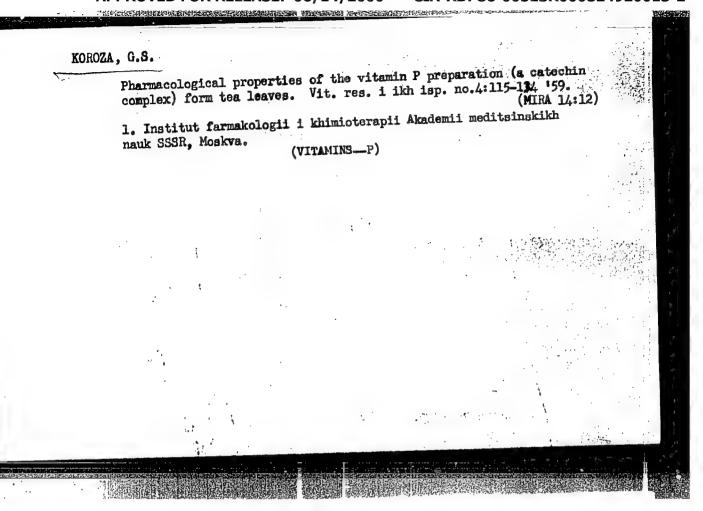
Some pharmacological properties of vitamin P-active tea tannin.

Farm. i toks. 20 no.3:66-68 My-Je '57. (MIRA 10:10)

1. Laboratoriya chastnoy farmakologii (zav. - deystvitel'nyy chlen ANN SSSR prof. V.V.Zakusov) Institute farmakologii i khimioterapii AMN SSSR.

(TAMNIN, pharmacol. of vitamin P-active tea tannin (Rus))

(VITAMIN P, same)



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KUDRIN, A.N.; KOROZA, G.S.; KOST, A.N.; SAGITULLIN, R.S.

Vetrazin as a uterine stimulant. Farm. i toks. 26 no.1:75-80 Ja-F 163. (MIRA 17:7)

1. Kafedra farmakologii (zav. - prof. A.N. Kudrin) farmatsevticheskogo fakul'teta I Moskovskogo ordena lenina meditsinskogo instituta imeni I.M. Sechenova i laboratoriya spetsial'nogo organicheskogo sinteza (zav. - chlen-korrespondent AN SSSR prof. A.P. Terent'yev) Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

KUDRIN, A.N.; KOROZA, G.S.

Effect of vetrazin on the activity of substances increasing and decreasing uterine contractions. Farm. i toks. 27 no.4:464-466 Jl-Ag '64. (MIRA 17:11)

l. Kafedra farmakologii (zav. - prof. A.N. Kudrin) farmatsevticheskogo fakuliteta I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

KOROZA, G.S.; KUDRIN, A.N.

Combined action of vetrazine with adrenaline, acetylcholine and oxytocin. Farm. i toks. 27 no.3:353-356 My-Je *64.

THE PROPERTY OF THE PROPERTY O

(MIRA 18:4)

l. Kafedra farmakologii (zav. - prof. A.N. Kudrin) farmatsevticheskogo fakul teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

KOROZA, G.S.

Effect of vetrazine and oxytocin on the uterus of hypophysectomized rats and on the uterus of guinea pigs following the introduction of folliculin. Farm. i toks. 28 no.5:568-570 S-0 65. (MIRA 18:12)

1. Kafedra farmakologii (zav. - prof. A.N. Kudrin) farmatsevticheskogo fakuliteta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Submitted April 14, 1964.

KUDRIN, A.H.; KOPOZA, G.S.

Effect of 2,5-dimethoxybenzylamine on the uterus. Farm. i toks. 28 no.6:697-700 N-D 165. (IBRA 19:1)

1. Kafedra farmak logii (zav. - prof. A.N.Kudrin) farmatsevticheskogo fakul teta, "Sentral naya naurino-isaledevatel lokaya laboratoriya imen. S.I.Chechu ina (zav. - kand.med.muk A.S. Chechulin) I Moskovskogo ordena Lenina meditsiusacyo instituta imeni Sechenova.

\$/759/62/000/004/001/016 D207/D308

AUTHORS:

Val'dner, O. A., Koroza, V. I. and Shal'nov, A. V.

TITLE:

On the problem of the possibility of wide-range ener-

gy regulation in linear electron accelerators -

bunchers

SOURCE:

Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli,

no. 4, 1962, 3-6

TEXT: An accelerator with continuous output energy variation is required for some applications in physics and chemistry. For a short accelerator such an energy variation is best obtained by varying the frequency of the microwave power supply. To vary the energy of a pulsed 200 mA electron beam with the range 1 - 2 MeV it is necessary to: (1) select the accelerating system so that it gives the required energy variation within a specified frequency range without too much broadening of the energy spectrum; (2) ensure satisfactory working of the microwave source within the specified frequency range. The present paper (eals only with the first

Card 1/2

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S/759/62/000/004/001/016 D207/D308

point. It is shown that using a $\Lambda = 10.5$ cm i.5 MW source of microwave pulses an energy variation from 1.3 to 2.1 MeV may be obtained by varying the source frequency by 10 Mc/s; he width of the energy spectrum under these conditions does not exceed 18%. There are 3 figures.

Card 2/2

On the problem of ..

\$/759/62/000/004/002/016 D207/D308

AUTHORS: Val'dner, O. A., Koroza, V. I. and Shal'nov, A. V.

TITLE: Use of untunable magnetrons for power supplies of li-

near electron accelerators

SOURCE: Inzhenerno-fizicheskiy institut. Uskoriteli, no. 4,

1962, 7-11, Moscow

TEXT: The use of untunable magnetrons in power supplies of linear electron accelerators gives the advantages of lower cost, longer service life and higher available power, compared with tunable magnetrons. The present paper deals with problems caused by frequency deviations from the nominal value in mass-produced untunable magnetrons. A corrugated waveguide used in conjunction with a magnetron should be designed so that the frequency deviation in the latter does not greatly affect the energy and spectrum of the accelerated electrons. Design calculations are given for the following accelerator model, called V-20 (U-20): a circular waveguide with a parameter $a/\lambda = 0.3$, accelerator length 2 m; here a is the Card 1/2

S/759/62/000/004/002/016 D207/D308

Use of untunable ...

radius of apertures in the diaphragms of the corrugated waveguide and λ is the working wavelength. The calculations were carried out on an analog computer and they showed that, under certain specified conditions, a satisfactory electron-energy peak is obtained at 5 MeV. The authors consider also the frequency dependence of the electron energy for an accelerator of $\gamma-12$ (U-12) and show that its large microwave power margin (only 25% of the power is used for electron acceleration) can be used to increase the beam current. There are 6 figures.

Card 2/2

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CIA-RDP86-00513R000824920013-2

AEDO(a)/AFETR/IJP(c) EWT(m)/EPA(w)-2/EWA(m)-2 Pab-10/Pt-10 2,1487-65 \$/2759/64/000/006/0017/0020 AT5001491 1.5 MB: AUTHOR: Koroza, V. I.; Shalnov, A. V. INTLE. Possibility of accelerating particles in a section with $\theta_{\rm v}$ without prior building and without a longitudinal magnetic field TAR I. Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli, no. 6, 1964, 17-20 TOPIC TAGS: particle acceleration, particle bunching, particle beam focusing APSTRACT: The authors consider the motion of particles in a radial direction in an annelerator at unity relative wave velocity without a longitudinal magnetic The spatial motion of the electrons was modeled with a "Polet" analog imputer. The simulation method and the use of the computer were the same as The ned by Dem'yanenko at al. (Collection "Uskoriteli" [Accelerators], no. V, M., Gosatomizdat, 1963). The following conclusions are drawn: 1. Sections with mity relative wave velocity can be used to accelerate electrons without preliminary bunching and focusing by a longitudinal magnetic field. Thus, when H = 0, A = 2--3, f_H^2 = 0.5, and η = 0.03, the beam divergence is not too large Card 1/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2

L 22487-65 AT5001491 ACCESSION NR: end it is possible to dispense with focusing. 2. An increase in the injection energy in the absence of a focusing magnetic field leads to a decrease in the a monadening. 3. An increase in the electric field intensity leads to broad-The beam. Abstractor's note: The notations are those used in the little by Dem yanenko and are not defined here. Orig. art. has: 3 figures. ASSOCIATION: Inzhenerno-fizicheskiy institute, Moscow (Engineering-Physics Institute) SUB CODE: NP ENCL: 00 00 SUBMITTED: OTHER: 000 MR REF SOV: 003 Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2

L 15934-66 EWT(m)/EWP(1) IJP(c) DM

ACC NR: AP6005523 SOURCE

SOURCE CODE: UR/0089/66/020/001/0003/0008

AUTHOR: Voskresenskiy, G. V.; Koroza, V. I.; Serebryakov, Yu. N.

ORG: none

TITLE: Radial broadening of the beam in a linear electron accelerator due to the

action of an asymmetric wave

SOURCE: Atomnaya energiya, v. 20, no. 1, 1966, 3-8

TOPIC TAGS: electron accelerator, linear accelerator, electron beam, electron

optics

ABSTRACT: The authors study the mechanism which gives rise to radial dispersion of an electron beam in a high-current linear accelerator. The calculations are based on analysis of the properties of hybrid asymmetric waves in the moderator section of the accelerator and excitation of these waves by the electron beam. Consideration is given to the dynamics of the electrons in the field of the asymmetric wave generated by the beam of particles. It is shown that the amplitude of radial displacement from the axis increases almost exponentially with respect to the time of

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L 15934-66

ACC NR: AP6005523

injection if attenuation in the field of the moderator section is disregarded. The effect of damping on the dynamics of the radial motion of particles is evaluated. Calculations of dispersion show that there is a rapid increase in the radial dimensions of the beam as a function of time even when the mathematical expectation for distribution of the initial deviations is zero, i.e. for the case of symmetric beam injection. We are deeply grateful to E. L. Burshteyn for constant interest in the work and consultation. Orig. art. has: 3 figures, 20 formulas.

SUB CODE: 20/ SUBM DATE: 11Jun65/ ORIG REF: 003/ OTH REF:

Card 2/2

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CIA-RDP86-00513R000824920013-2

SOURCE CODE: UR/2759/65/000/007/0029/0038 L 43679-66 EWT(m) AT6017505 ACC NRI

AUTHOR: Voskresenskiy, G. V.; Goryshnik, L. L.; Koroza, V.

TITLE: Axial motion of particles in the initial section of a strong focusing linear

electron accelerator, with constant phase velocity

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli, no. 7, 1965, 29-38

TOPIC TAGS: linear accelerator, phase velocity, RF field, particle motion

ABSTRACT: The calculations of in phase motion of electrons in the initial section with constant phase velocity are limited to two cases. 1) It is assumed that the damping of the RF field is small and the accelerated current remains small. 2) In the second part, it is assumed that the current is large and can become considerably distorted during the accelerating duty cycle. In the first part, it is assumed that the electrons are perfectly bunched in phase and the initial energy is the same for electrons. In this case, the bunches do not spread during the accelerator duty cycle and the "single electron motion" approximation can be applied. A system of equations takes into account the initial spread of momentum of electrons in an interval by for each group of electrons. The comparison of detailed calculations with the calcula-

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	methods to 1-2%. SUB CODE: 20/	SUBM DATE: none/	ORIG REF: 002/	OTH REF: 002		
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KOROZHEV. N. I.

School Excursions

Excursions for studying economics and geography, sponsored by secondary schools. Geog. v shkole No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1957, Uncl.

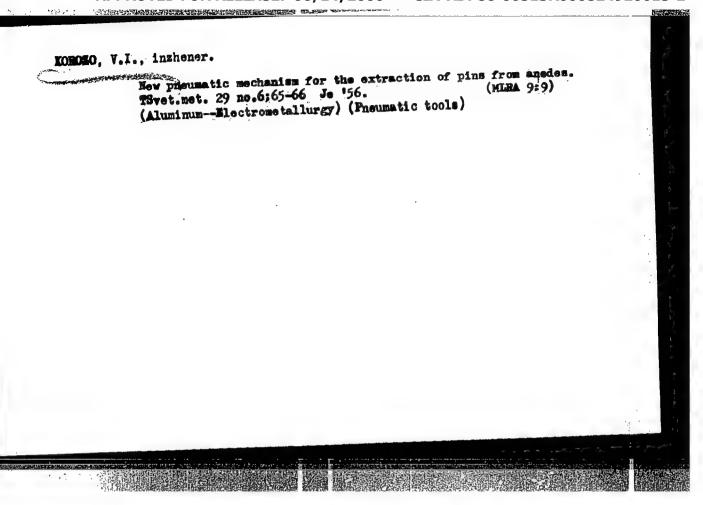
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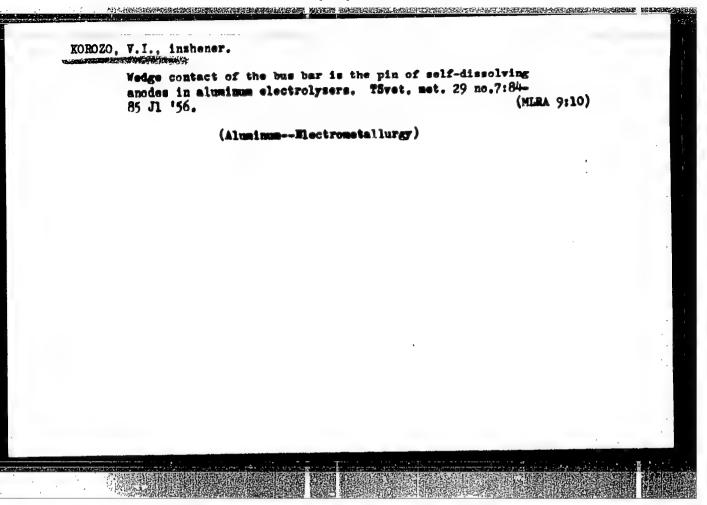
KOROZO, V.I.; LILEYEV, O.V., red.; ISHUTINOVA, M.D., red.

[Rotary hearth furnaces, their operation and adjustment]

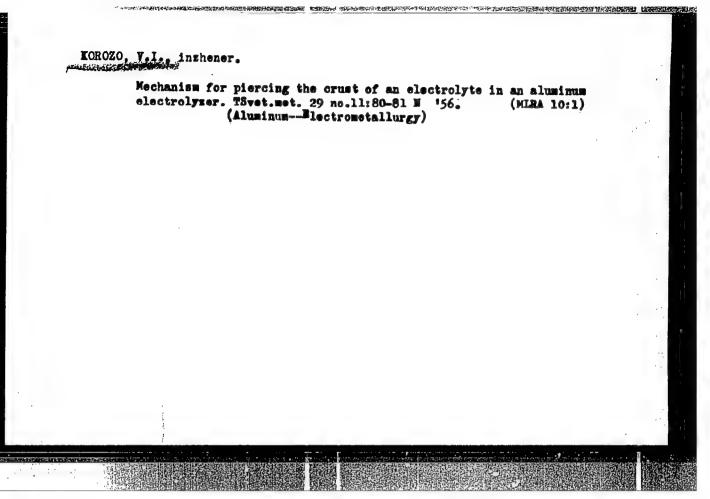
Vrashchaiushchiesia pochi i ikh tekhnicheskoe obsluzhi
vanie. Moskva, 1963. 42 p. (MIRA 17:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut informatsii i tekhniko-ekonomicheskikh issledovaniy tsvetnoy metallurgii.





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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2

KOROLO, V.

1/1

Korozo, V., Engineer. AUTHOR:

136-2-15/22

TITLE:

Decomposers with Air Stirring. (Dekompozery s vozdushnym

peremeshivaniyem)

Tavetnyye Metally, 1957, No.2, pp. 79-80 (USSR) PERIODICAL:

ABSTRACT: A decomposer for use in the Bayer method of alumina

production is described, in which a current of air instead of a mechanical device effects stirring. The decomposer was proposed by N.V. Smirnov. It is much cheaper than the mechanically-stirred variety, is easier to maintain and has lower operating costs. The working volume of the decomposer is 1 000 m, the diameter is 7 300 and the total height 28 680 mm, that of the conical

lower portion being 6 370 mm.

AVAILABLE: Library of Congress

137-58-6-11907

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 103 (USSR)

AUTHOR: Korozo, V.I.

TITLE: Mechanization of Minor Processes Requiring Heavy Labor in

Electrolysis Departments (Malaya mekhanizatsiya trudoyem-

kikh protsessov v elektroliznykh tsekhakh)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 8, pp 92-99

ABSTRACT: A description is presented of inventions and rationalization

proposals put into use in the electrolysis department of the Dneprovskiy plant for the purpose of mechanizing the heaviest and most labor-consuming work: driving and extracting anode pins, fastening the pin-busbar contact, cleaning the surfaces of these contacts, breaking the crust of the electrolyte, and lapping the side blocks. A special pneumatic machine has been developed to extract the pins from the anodes. This machine is mounted on a two-wheeled cart and is capable of rotating around a vertical axis. The machine consists of an auxiliary and a working cylinder with rod and striker piston which, working automatically is capable of delivering more than 1000 blows

automatically, is capable of delivering more than 1000 blows

Card 1/2 per minute in knocking out the pins. The mechanism for

137-58-6-11907

Mechanization of Minor (cont.)

driving the pins weighs 15.6 kg and consists of a pneumatic hammer and an auxiliary pneumatic fixture. The impact hammer delivers 950 blows per minute at the head of the pin, driving it within a few seconds. Another pneumatic mechanism on a two-wheeled carriage is used to break the crust. This is done by a chisel, the shank of which is struck by impact head of the pneumatic hammer. The work is done by one man, and he is 1.5 m out of the zone of concentrated gases and high temperature. The wedge contacts developed for use between bus and pin have not only improved the conditions and productivity of labor when used with a pneumatic mechanism to drive and extract the wedge (drawings of the wedge contact and other mechanisms are adduced), but have also saved power: the voltage drop in the contact is 4-6 mv as compared to 15 mv with the bolt contact formerly used. The hand cleaning of the pin-to-bus contact surfaces formerly used has been replaced by polishing with a special power brush. The carbon blocks are now lapped during repairs and assembly of cells on a special machine, a factor that has markedly increased productivity and improved the quality of the block surfaces.

A.P.

1. Electrolysis--Equipment 2. Industrial plants--Operation

Card 2/2

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SOV / 137-58-7-14067

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 12 (USSR)

AUTHOR: Korozo, V. I.

TITLE: New Design for a Seal Assembly at the Cold End of Rotary

Sintering Furnaces (Novaya konstruktsiya uplotnitel'nogo ustroystva kholodnogo kontsa vrashchayushchikhsya pechey spekaniya)

PERIODICAL: Byul. tsvetn. metallurgii, 1957, Nr 8, pp 99-101

ABSTRACT: A description of a seal assembly installed at the Bogoslovsk

Aluminum Plant. This assembly has a sealing ring of rubberized conveyor belting and affords a better packing of the cold end of a rotating sintering furnace and creates the possibility of significant economy in metals when new units of furnace equip-

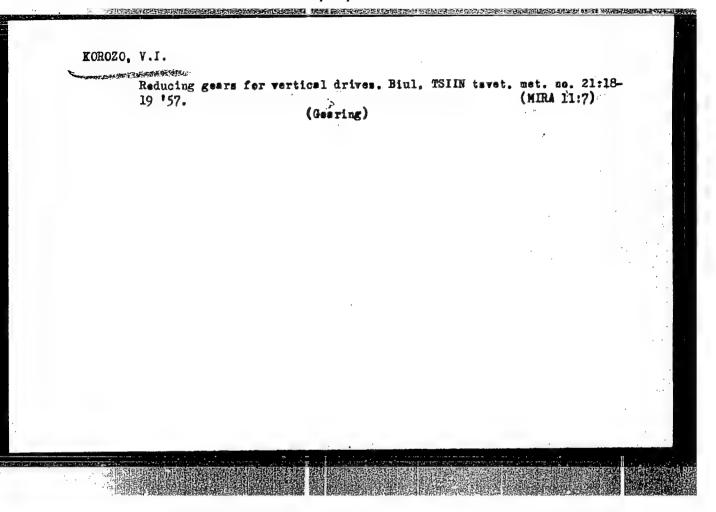
ment of this type are made.

1. Sintering furnace--Equipment 2. Sintering furnaces-- Ya. K.

Sealing 3. Rubber seals--Design

Card 1/1

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920013-2



SOV/137-58-8-17295

Translation from: Referativnyy zhurnal, Metallurgiya. 1958, Nr 8, p 157 (USSR)

AUTHOR:

Korozo, V.I.

TITLE:

Hard Facing of Machine Components by Means of Cast-iron

Electrodes (Naplavka detaley chugunnymi elektrodami)

PERIODICAL: Byul, tsvetn. metallurgii, 1957, Nr 21, p 30

ABSTRACT:

A Czechoslovakian method employing cast iron electrodes (E) for hard facing of worn-out cast components made of carbon and Mn steel is utilized at the Volkhovsk aluminum and Tikhvin alumina plants. Electrodes 6, 8, and 10 mm in diameter are cast from standard gray cast iron and are used without coating. The arc is operated by direct current. It is recommended that components which have suffered considerable wear be preliminarily hard faced with chalk electrodes. The layer of metal deposited by means of welding with cast iron E may be up to 15 mm thick. Hard facing of Mn steel armor plating (12% Mn) of ball mills has also been accomplished: the service life of armor thus treated doubled the 142 of new armor. Hard-facing methods were also employed for reasovation of worm scrolls, hammers of crushers, and induced-draft fan blades. The list of

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SOV/137-58-8-17295

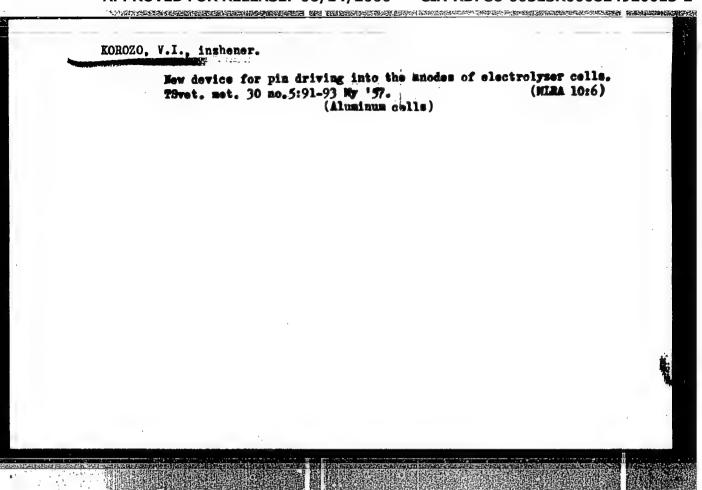
Hard Facing of Machine Components by Means of Cast-iron Electrodes components which can be restored to operation by means of the method described can be expanded.

N.T.

- 1. Machines-Maintenance
- 2. Arc welding—Electrodes
 3. Metals—Hardening

Card 2/2

CIA-RDP86-00513R000824920013-2" APPROVED FOR RELEASE: 06/14/2000



VAL'DNER, O.A.; KOROZA, V.I.; SHAL'NOV, A.V.

Deep controllability of energy in linear electron scales bunchers. Uskoriteli no. 4:3-6 162.

Use of nontunable magnetrons as a power source for linear electron accelerators. Ibid.:7-11 (MIRA 17:5)

KOROZA, V.I.

2/08/62/013/006/019/027

AUTHORS: G. T. and M. R.

TITLE: Mauchanya konferenteiya Moskovskogo inshemerno-fizioheskogo institute (Soientific Conference of the Mosaow Engineering Physics Institute) 1962

PERIODICAL: Atomnaya energiya, v. 15, zo. 6, 1962, 605 - 606

TEXT: The annual conference took place in May 1962 with more than 400 delegates participating. A review is given of these lectures that are assumed to be of interest for the readers of Atomnaya energiya: They are following: A. I. Lepumekiy, future of fast reactors: A. A vasiliyav, design of accelerators for euperhigh energies; I. Ia. Pomeranchuk, analyticity, unitarity, and asymptotic behavior of evicong interactions at high energies; A. E. Migdal, phenomenological theory for the samy-body problem; Ru. D. Fireyskiy, deceleration of medium-energy antiprotoms in matter; Tu. K. Kogan, Ya. A. Icelitwity, theory of the Mashawer effect; M. T. Hyanamov, theory of ionization losses in nonhomogeneous medium; Yu. B. Ivanov, A. A. Eukhadse, h-f conductivity of subscribinal places;

Gard 1/4.

\$/2759/63/000/005/0035/0039 AT4019719 ACCESSION NR: AUTHOR: Koroza, V. 1.; Tyagunov, G. A. (Deceased) TITLE: Kinetic equation for an electron beam in a linear accelerator, neglecting interaction SOURCE: Moscow. inzhenerno-fizicheskiy institut. Uskoriteli (Accelerators), no. 5, 1963, 35-39 TOPIC TAGS: particle accelerator, linear accelerator, linear electron accelerator, energy spectrum, phase spectrum, relativistic kinetic equation ABSTRACT: One of the important problems in the study of linear electron accelerator is the determination of energy and phase spectra of the accelerated particles, i.e., their distribution functions. It is of interest to compute the distribution functions of the particles in the beam by means of relativistic kinetic equations under given initial conditions on the distribution functions at the input of the accelerator. Neglecting particle interaction, such computations are carried out in the paper. Orig. art. has: 19 formulas. ASSOCIATION: Inzhenerno-fizicheskiy institut, Moscow (Engineering-Physics Institute)

ACCESSION NR: AT4019720

8/2759/63/00/005/0040/0044

AUTHOR: Koroza, V. I.; Tyagunov, G. A. (Deceased)

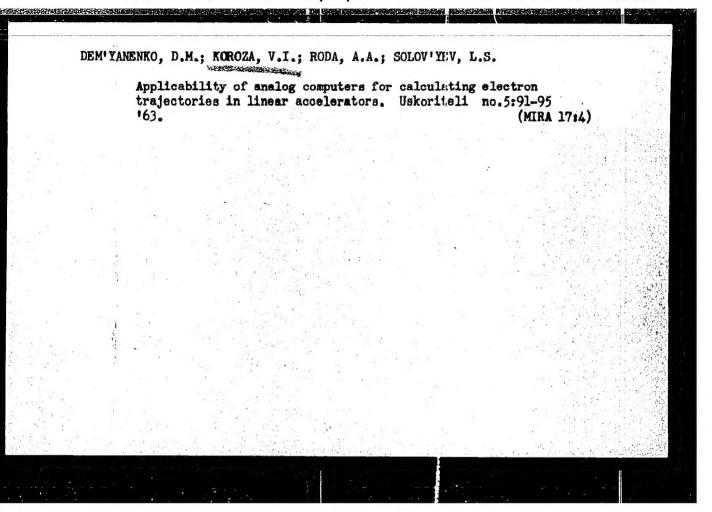
TITLE: The question of critical electron flow in the buncher of a linear accelerator

SOURCE: Moscow. Inshenerno-fizicheskiy institut. Iskoriteli (Accelerators), no. 5, 1963, 40-44

TOPIC TAGS: linear accelerator, electron flow, relacivistic particle, buncher, electron theory, electron, particle, kinetic equation, electron accelerator

ABSTRACT: Computations of various systems with bunches of relativistic particles have been carried out by means of a single electron theory. In many cases, however, such computations are inadequate since they neglect the behavior of the collection of particles in the bunch as a whole. In the paper just preceding this one (in the same issue) the authors have carried out calculations based on the application of relativistic kinetic equations. In order to solve the various problems encountered in the study of the behavior

Card 1/2



GRODINSKIY, F.; KIIL, A.; KORP, A.; LINNAKIVI, J.; ?ILK, E.; VERNIK, L.; REREMAA, H., red.; VEER, H., tekhn. red.

Parnu. Tallian, Essti Riklik Kirjastus, 1%2. 7 p. (MIRA 16:3)

(Parnu--Vides)

SOV/137-59-1-1516

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 202 (USSR)

AUTHORS: Popel', S. I., Yesin, O. A., Korpachev, V. G.

On the Method of Measuring the Surface Viscosity of Silicate Melts

(K metodike izmereniya poverkhnostnoy vyazkosti silikatnykh

rasplavov)

TITLE:

PERIODICAL: Izv. Sibirsk. otd. AN SSSR, 1958, Nr 5, pp 66-73

ABSTRACT: A description of apparatus and methods employed in the determination of the surface viscosity (V) of high-temperature silicate melts.

The process is based on the method of damped oscillations (O) of a disk which intersects the surface of the liquid. The vibrating device consists of an iron disk, 20 mm in diameter and 6 mm high, which is rigidly coupled to a rod by means of a special joint and is suspended by a nichrome wire. The joint carries a small mirror and a clamp for the wire; the upper face of the joint supports two iron plates in which torsional vibrations are induced with the aid of an

electromagnet; the vibrations are registered on a graduated scale by means of a ray of light reflected from the mirror. The slag being

Card 1/3 investigated is charged into an Fe crucible, 50 mm deep and 50 mm

SOV/137-59-1-1516

On the Method of Measuring the Surface Viscosity of Silicate Melts

in diameter, and the crucible is placed into an electric Kryptol furnace. The temperature of the melt is controlled with the aid of an optical pyrometer; in order to achieve an inert atmosphere, N2 is introduced into the hermetically-sealed furnace. The depth of immersion of the disk is determined by means of a control lamp mounted on the lifting mechanism. After the desired temperature had been attained, the crucible containing the slag is placed into the furnace which is then closed; the vibrating device is centered, the disk is immersed into the slag to a depth equivalent to half of its height, and torsional O's are induced in it. Depending on the V, the amplitude is recorded at intervals of one, five, ten or more O's, and from these O's the logarithmic surface damping decrement, $\lambda_{ ext{surf}}$, is computed. After repeating this procedure five or more times the disk is immersed into the slag to a depth of 5 mm measured from its upper surface and the volumetric damping decrement, λ_{VOI} , is determined. The relative value α of the V of the surface layer is determined from the ratio $a = \lambda_{surf} / \lambda_{vol}$; in order to determine the absolute values of the V, the thickness of the surface layer must be known. The volumetric V is computed from the magnitude of the damping decrement of the disk O's within the slag. The apparatus is previously calibrated at a temperature of 20°C against standard liquids, such as water, mercury, and liquid paraffin. An investigation of the surface and volumetric V demonstrated that the surface layer of a number of Card 2/3